ABSTRACT OF THE DISCLOSURE

A high-strength aluminum alloy tubestock is for heat exchangers. The tubestock includes a core with low to moderate Si content to promote strengthening without excessively compromising corrosion resistance. A braze liner on the core exterior employs a Zn+Mg+Si water-side liner that will not experience undesirable melting during brazing. The water-side liner preferably comprises between about 0.2-0.5% Si, between about 2.5-5.0% Zn, between about 1.3-2.5% Mg, less than about 0.1% Cu, less than about 0.35% Fe and less than about 0.25% Mn, with the remainder comprising Al and tolerable impurities. The core preferably comprises between about 0.5-1.3% Mn, between about 0.1-0.3 Mg, between about 0.4-0.7% Cu, between about 0.15-0.5% Si, between about 0.01-0.25% Ti and less than about 0.5% Fe, with the remainder comprising Al and tolerable impurities. The braze liner preferably comprises an Al-Si-base alloy. A tubular member made from the foregoing tubestock is also disclosed.